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#3/1188

Please type a question (*) inside this box → ☒

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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| | | |
|--|------------------------|-------------------|
| TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i> | Application Number | 10/081,866 |
| | Filing Date | February 22, 2002 |
| | First Named Inventor | Butler |
| | Group Art Unit | 2878 |
| | Examiner Name | |
| Total Number of Pages in This Submission | Attorney Docket Number | TOOLZ-01104US0 |

| ENCLOSURES <i>(check all that apply)</i> | | |
|---|---|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form | <input checked="" type="checkbox"/> Assignment Papers <i>(for an Application)</i> | <input type="checkbox"/> After Allowance Communication to Group |
| <input checked="" type="checkbox"/> Fee Attached | <input checked="" type="checkbox"/> Drawing(s) | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Amendment / Reply | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i> |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i> |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Terminal Disclaimer | Declaration for Patent Application |
| <input type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> Request for Refund | |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> CD, Number of CD(s) _____ | |
| <input checked="" type="checkbox"/> Response to Missing Parts/Incomplete Application | Remarks | |
| <input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | |
|--|---|
| Firm or Individual name | William J. Harmon, III, Vierra Magen Marcus Harmon & DeNiro LLP |
| Signature | <i>William J. Harmon III</i> |
| Date | May 15, 2002 |

| CERTIFICATE OF MAILING | | |
|--|---|--------------------------|
| I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: <u>May 15, 2002</u> | | |
| Typed or printed name | William J. Harmon, III, Reg. No. 40,635 | |
| Signature | <i>William J. Harmon III</i> | Date <u>May 15, 2002</u> |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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COPY OF PAPERS
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PTO/SB/17 (10-01)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 844.00

Complete if Known

| | |
|----------------------|-------------------|
| Application Number | 10/081,866 |
| Filing Date | February 22, 2002 |
| First Named Inventor | Butler |
| Examiner Name | |
| Group Art Unit | 2878 |
| Attorney Docket No. | TOOLZ-01104US0 |

METHOD OF PAYMENT

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:
- Deposit Account Number **501826**
- Deposit Account Name **Vierra Magen Marcus Harmon & DeNiro LLP**
- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- ☒ Applicant claims small entity status. See 37 CFR 1.27
2. ☒ Payment Enclosed:
- ☒ Check ☐ Credit card ☐ Money Order ☐ Other

FEE CALCULATION

| 1. BASIC FILING FEE | | | | | |
|---------------------|----------|--------------|----------|------------------------|------------|
| Large Entity | | Small Entity | | Fee Description | Fee Paid |
| Code | Fee (\$) | Code | Fee (\$) | | |
| 101 | 740 | 201 | 370 | Utility filing fee | 370.00 |
| 106 | 330 | 206 | 165 | Design filing fee | |
| 107 | 510 | 207 | 255 | Plant filing fee | |
| 108 | 740 | 208 | 370 | Reissue filing fee | |
| 114 | 160 | 214 | 80 | Provisional filing fee | |
| SUBTOTAL (1) | | | | | (\$ 370.00 |

| 2. EXTRA CLAIM FEES | | | | |
|---------------------|--------------|----------------|----------|--|
| Total Claims | Extra Claims | Fee from below | Fee Paid | |
| 47 | -20** = 27 | X 9.00 | =243.00 | |
| 6 | -3** = 3 | X 42.00 | =126.00 | |
| Multiple Dependent | | | =0.00 | |

| Large Entity Small Entity | | | | Fee Description |
|---------------------------|----------|----------|----------|--|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | |
| 103 | 18 | 203 | 9 | Claims in excess of 20 |
| 102 | 84 | 202 | 42 | Independent claims in excess of 3 |
| 104 | 280 | 204 | 140 | Multiple dependent claim, if not paid |
| 109 | 84 | 209 | 42 | ** Reissue independent claims over original patent |
| 110 | 18 | 210 | 9 | ** Reissue claims in excess of 20 and over original patent |
| SUBTOTAL (2) | | | | (\$ 369.00 |

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|-----------------------------------|----------|--------------|----------|--|------------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 105 | 130 | 205 | 65 | Surcharge - late filing fee or oath | 65.00 |
| 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 139 | 130 | 139 | 130 | Non-English specification | |
| 147 | 2,520 | 147 | 2,520 | For filing a request for ex parte reexamination | |
| 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner action | |
| 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action | |
| 115 | 110 | 215 | 55 | Extension for reply within first month | |
| 116 | 400 | 216 | 200 | Extension for reply within second month | |
| 117 | 920 | 217 | 460 | Extension for reply within third month | |
| 118 | 1,440 | 218 | 720 | Extension for reply within fourth month | |
| 128 | 1,960 | 228 | 980 | Extension for reply within fifth month | |
| 119 | 320 | 219 | 160 | Notice of Appeal | |
| 120 | 320 | 220 | 160 | Filing a brief in support of an appeal | |
| 121 | 280 | 221 | 140 | Request for oral hearing | |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidable | |
| 141 | 1,280 | 241 | 640 | Petition to revive - unintentional | |
| 142 | 1,280 | 242 | 640 | Utility issue fee (or reissue) | |
| 143 | 460 | 243 | 230 | Design issue fee | |
| 144 | 620 | 244 | 310 | Plant issue fee | |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner | |
| 123 | 50 | 123 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 126 | 180 | 126 | 180 | Submission of Information Disclosure Stmt | |
| 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) | 40.00 |
| 146 | 740 | 246 | 370 | Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 149 | 740 | 249 | 370 | For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 179 | 740 | 279 | 370 | Request for Continued Examination (RCE) | |
| 169 | 900 | 169 | 900 | Request for expedited examination of a design application | |
| Other fee (specify) _____ | | | | | |
| *Reduced by Basic Filing Fee Paid | | | | | |
| SUBTOTAL (3) | | | | | (\$ 105.00 |

SUBMITTED BY

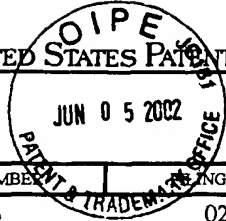
| | | | | | |
|-------------------|------------------------------|-----------------------------------|--------------|-----------|--------------|
| Name (Print/Type) | William J. Harmon, III | Registration No. (Attorney/Agent) | 40,635 | Telephone | 415.369.9660 |
| Signature | <i>William J. Harmon III</i> | Date | May 15, 2002 | | |

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UNITED STATES PATENT AND TRADEMARK OFFICE



COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

| APPLICATION NUMBER | FILING/RECEIPT DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|---------------------|-----------------------|------------------------|
| 10/081,866 | 02/22/2002 | Andrew Butler | TOOLZ-01104US0 |

CONFIRMATION NO. 9870

FORMALITIES LETTER



OC00000007676400

William J. Harmon, III
Vierra Magen Marcus Harmon & DeNiro, LLP
Suite 540
685 Market Street
San Francisco, CA 94105-4206

Date Mailed: 03/20/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 370 to complete the basic filing fee for a small entity.
- Total additional claim fee(s) for this application is \$369.
 - \$243 for 27 total claims over 20.
 - \$126 for 3 independent claims over 3 .
- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 804.

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

06/07/2002 WABRHM1 00000076 10081866
01 FC:201
02 FC:203
03 FC:202
04 FC:205
370.00 BP
243.00 BP
126.00 BP
65.00 BP



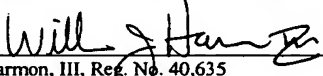
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| | | |
|------------------------------------|---|---------------------------|
| In re Application |) | <u>PATENT APPLICATION</u> |
| Inventors: |) | |
| Butler, et al. |) | |
| Application No.: |) | |
| 10/081,866 |) | |
| Filed Date: |) | |
| February 22, 2002 |) | |
| Title: DETECTING TOOL ORIENTATION, |) | Customer No.: 28554 |
| ALIGNMENT, DEPTH, AND LEVELING |) | |

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

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William J. Harmon, III, Reg. No. 40,635
Signature Date: May 15, 2002

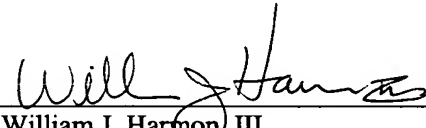
Box Missing Parts
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Filed herewith are Figures 1-19 (20 drawing sheets). It is respectfully requested that the new drawing sheets be substituted for the originally filed drawing sheets.

Respectfully submitted,

Date: May 15, 2002

By: 

William J. Harmon, III
Reg. No. 40,635

VIERRA MAGEN MARCUS HARMON & DENIRO LLP
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San Francisco, California 94105
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